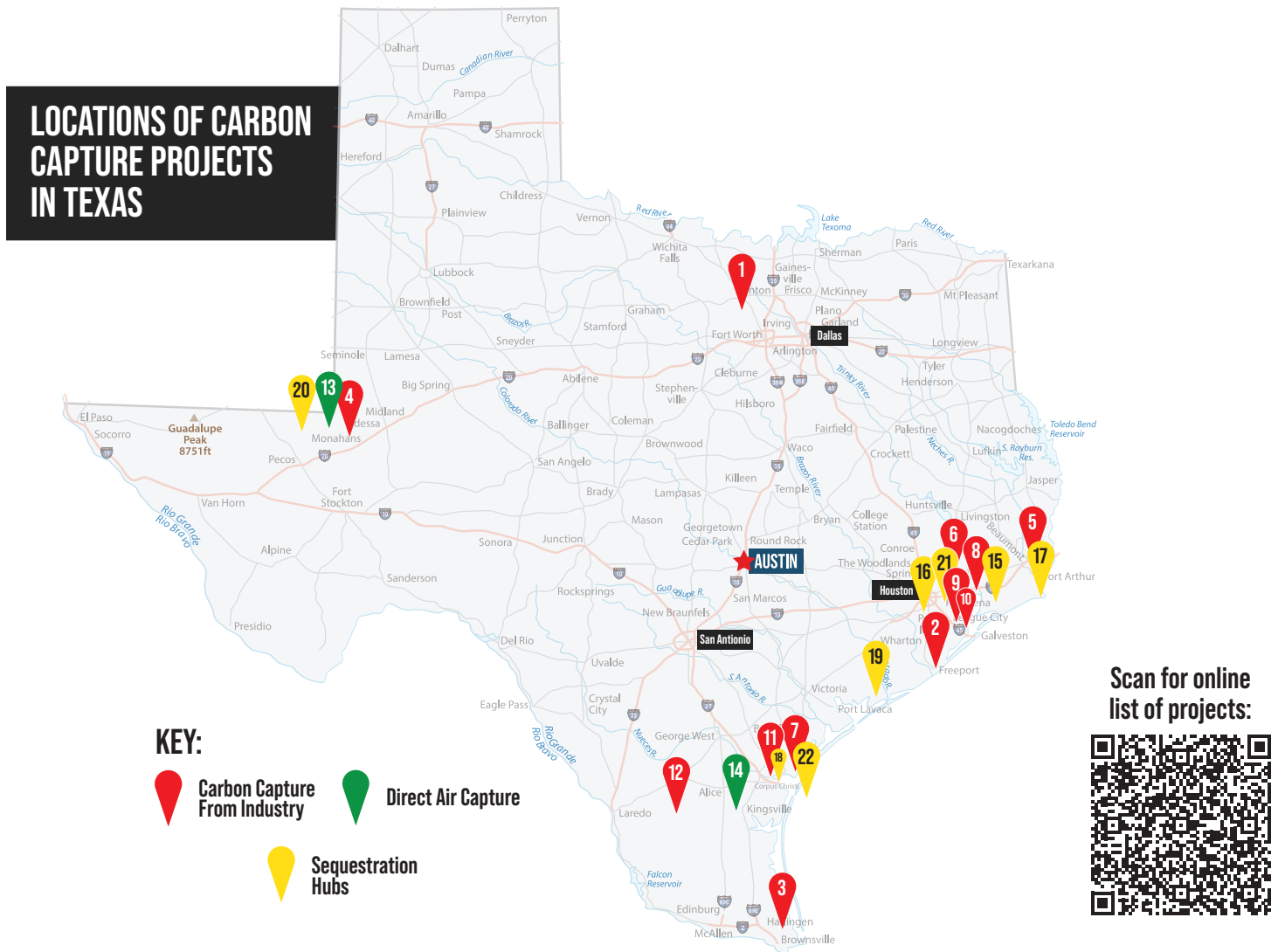


Carbon Capture and Storage in Texas

Carbon capture and storage (CCS) has been touted as the solution to decarbonizing industry in the United States. The oil and gas industry has embraced carbon capture – often to inject carbon dioxide into the ground to produce more oil – and this practice is being subsidized by billions of dollars from the federal government. Of the 21 projects with EPA-approved monitoring, reporting, and verification plans, three quarters are by oil and gas companies, usually for “enhanced oil recovery” that will produce more petroleum to be burned. It remains unclear if the technology will work as a strategy to address climate change, in part because it subsidizes fossil fuel extraction and the monitoring data is entirely self-reported to EPA by companies, with no third-party verification.

The Environmental Integrity Project’s *Oil & Gas Watch* website is a free, public database that tracks new and expanding projects in the oil, gas and petrochemical industries and has been following associated carbon capture projects. As of October 2023, we have collected data on 91 proposed carbon capture projects across the U.S., including 41 in Louisiana and 22 in Texas. These include projects to capture carbon from the smokestacks of industrial operations – or directly from the air – and pipe it underground for storage, including in regional networks or “hubs.” Oil & Gas Watch is also tracking 17 proposed carbon pipeline projects.

Below is a map and list showing the **22 proposed carbon capture projects in Texas**, including eight hydrogen or ammonia plants, two liquified natural gas (LNG) terminals, and one gas processing plant.



LIST OF CARBON CAPTURE PROJECTS IN TEXAS

#	Project Name	Company	County	Project Type	Announced Capture or Sequestration Amount (Metric Tons of CO2 Per Year)	Planned Operating Date
1	Barnett Shale Carbon Capture and Sequestration Project	BKV Corporation, EnLink Midstream LLC	Wise	Gas Processing	280,000	2023
2	Freeport LNG Liquefaction Facility	Freeport LNG Development, L.P.	Brazoria	LNG Terminal	650	2024
3	Rio Grande LNG Terminal	Rio Grande LNG, LLC	Cameron	LNG Terminal	5,000,000	2028
4	Nacero Penwell Facility	Nacero TX 1 LLC	Ector	Natural Gas to Gasoline	1,000,000	2027
5	Linde Nederland Facility	Linde Inc	Jefferson	Hydrogen	2,000,000	2025
6	Houston Ship Channel Low-Carbon Ammonia Plant	Air Liquide Large Industries US LP, INPEX Corporation, LSB Industries, Vopak Moda Houston LLC	Harris	Ammonia	1,600,000	2027
7	Enbridge Ingleside Energy Center	Enbridge Ingleside LLC, Yara International	San Patricio	Hydrogen, Ammonia	95% of emissions from hydrogen/ammonia plant	2027
8	ExxonMobil Chemical Baytown Olefins Plant	Exxon Mobil Corporation	Harris	Hydrogen, Ammonia	10,000,000	2028
9	Air Products Syngas Texas City	Air Products LLC	Galveston	Hydrogen	Not yet announced	2029
10	Blue Bayou Ammonia Plant	Blue Bayou Ammonia LLC	Galveston	Hydrogen, Ammonia	Not yet announced	2029
11	Javelina Gas Processing Facility	HEP Javelina Company LLC	Nueces	Hydrogen, Oil Refining	Not yet announced	Unknown
12	South Texas Energy Complex	Raven Petroleum LLC	Duval	Hydrogen, Oil Refining	Not yet announced	Unknown
13	Stratos Direct Air Capture Facility	1PointFive P1, LLC, Oxy USA Inc.	Ector	Direct Air Capture	500,000	2025
14	South Texas DAC Hub	1PointFive P1, LLC, Oxy USA Inc.	Kleburg	Direct Air Capture	30,000,000	Unknown
15	Bluebonnet CCS Hub	1PointFive	Chambers, Liberty, Jefferson	Sequestration Hub	8,000,000	2026
16	Lone Star CCS Hub	BP plc, Linde Inc	Unknown	Sequestration Hub	15,000,000	2026
17	Bayou Bend CCS Hub	Carbonvert Inc, Chevron Corporation, Equinor, Talos Energy Inc	Chambers, Jefferson	Sequestration Hub	20,000,000	2026
18	Coastal Bend CCS Hub	Howard Energy Partners, Port of Corpus Christi Authority of Nueces County, Talos Energy Inc	Nueces	Sequestration Hub	1,000,000 - 1,500,000	2026
19	Denbury Dorado Sequestration Hub	Denbury Carbon Solutions, LLC	Matagorda	Sequestration Hub	5,000,000 - 10,000,000	2026
20	Ozona Sequestration Hub	Ozona CCS LLC	Loving	Sequestration Hub	Not yet announced	2026
21	Houston CCS Innovation Hub	Air Liquide Large Industries US LP, BASF Corporation, Calpine Corporation, Chevron Products Company, Dow Chemical Company, Exxon Mobil Corporation, INEOS USA LLC, Linde Inc, LyondellBasell Industries, Marathon Petroleum LLC, Marathon Petroleum LLC, NRG Energy, Phillips 66 Company, Shell Oil Product US	Harris	Sequestration Hub	50,000,000	2030
22	Corpus Christi Offshore Sequestration Hub	Carbonvert Inc, Mitsui E&P USA, Posco International Corporation, Repsol SA	Nueces	Sequestration Hub	5,000,000 - 10,000,000	Unknown



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